

# Eastern Arizona Amateur Radio Society

EST. 1974

[www.eaars.com](http://www.eaars.com)

INC.

[facebook.com/groups/eaars](https://facebook.com/groups/eaars)

Club Address: EAARS, PO Box 398, Solomon, AZ 85551



*February, 2018*

## JOIN EAARS on Facebook

EAARS has a presence on Facebook and you are invited to **JOIN** the page. This is a great media to quickly share news, photos and events that are EAARS related or might be interesting to the members. If you utilize "Notifications" on the EAARS Facebook page, you can receive club updates AS THEY HAPPEN.

To reach the page, please visit [facebook.com/groups/eaars](https://facebook.com/groups/eaars) and **JOIN** the page. You must have a Facebook account to be part of the EAARS group.



## EAARS Open Repeaters

**PL 141.3** unless noted otherwise

**Echolink:** 614350 **IRLP:** 7787

**Heliograph Peak at Safford, AZ:**

146.860, 440.700 Linked

146.900, 447.8250 Not Linked

**Jacks Peak at Silver City, NM:**

145.210 Linked

**West Peak at Ft Thomas, AZ:**

145.350 Access to link to network

**Pinal Peak at Globe, AZ:**

145.410 Linked

**South Mt at Alpine, AZ:**

145.270 Linked

**Caballo Mt at TorC, NM:**

145.470 Linked

**Greens Peak at Show Low, AZ**

146.700 Linked

**Little Florida at Deming, NM:**

147.060 Linked

**Mule Mt at Bisbee, AZ:**

147.080 Linked

**Mt Lemmon at Tucson, AZ**

147.160 Linked

**Guthrie Peak at Clifton, AZ:**

147.280 Linked

# Gals on the Air!

Calling all Gals of any class ... Join us every Monday night for the  
**Gals Night Net @ 7:30 pm (AZ) on the EAARS system!**

## Upcoming Events

*Would You like to see your event posted for the membership to see?  
Email your information to [emberfire@cox.net](mailto:emberfire@cox.net).*

Feb 17-18 ... 24 Hours in the Old Pueblo  
March 3rd ... A Mountain Climb to Conquer Cancer - Angie N7EMB  
March 16-18 .. AERC Old Pueblo Pioneer Ride - Mike W7IJ  
March 31 .... RST Hamfest @ Target-Old Spanish Trail - Tucson  
April 15 ... AZ Trail Vail Scramble - Mike W7IJ  
April 29 ... March for Babies - Angie N7EMB

**Did you know that you can see the Public Service Opportunities on [soazhamservice.net](http://soazhamservice.net)? The events are posted by dates and who leads them. If you are interested in participating or have any questions, please feel free to contact them.**

### WEEKLY EAARS' NETS

**Every day:**

*Down Under Net - 4:15 am*

*Weather Net - 5:30 am*

*NTS Traffic Net - 6:30 pm*

**Sunday:**

*EAARS Net - 7:00 pm*

**Monday:**

*Gals Night Net - 7:30 pm*

**Wednesday:**

*Skywarn Net - During Monsoon, Every Wednesday at 7:30 pm,  
Off Season, every second Wednesday of month at 7:30 pm*

**Saturday:**

*ERC (Emergency Response Communications) Net -8:45 am ,  
2nd Saturday of the month (20-25 min duration)*





# EAARS Officers and Staff

## Board Officers

President	Dave Wells	N7AM
Vice President	Dan Quaintance	AF7EF
Secretary/Treasurer	Larry Griggs	N5BG

## Staff

Site Trustee	Joe Montierth	K7JEM
Net Manager	Chris Buchanan	N7JND
Newsletter Editor	Angie Buchanan	N7EMB

## Net Control Operators

Rick	KE7EDP	1st Sunday
Angie	N7EMB	2nd Sunday
Mike	W7IJ	3rd Sunday
Chris	N7JND	4th Sunday

## EAARS WINTER FIELD DAY 2018

Friday, January 26th gave EAARS members another opportunity to practice and improve their skills toward using Amateur Radio to assist in emergencies and disasters.

Winter Field Day began this year at 1900 UTC with setup of the EAARS Bus tilt up mast supporting an Off Center Fed (OCF) Dipole, the 5BTV vertical, and my home made 20 Meter Moxon beam on a push up mast attached to my Motor-home. Rob WB7QDQ, Dave N7AM, and myself Dan AF7EF, had all antennas erected by 2100 UTC when I had to leave to do our families traditional Friday night pizza with my grand-kids and great grand-kids, including our newest addition Zaylianna born New Years Day.

Setup resumed Saturday morning at 8am Arizona time and was completed with a little time to spare before beginning Winter Field Day Operations at 1900 UTC.

Now it was show time. Rob WB7QDQ handled CW, Dave N7AM and Gary W7MIN took turns with PSK31, I handled the Phone end of operations, and we were joined for observation by one of EAARS newest members Allen KI7TFN. Over the 24hr period, despite poor band conditions, we ended with a score of 10,792 from 4500 bonus points, and an 11 band/mode multiplier applied to our 104 PSK31, 9 CW, and 60 phone, contacts.

All in all, it was a great time and valuable learning experience.

73,

Dan ~ AF7EF

## 2018 EAARS Election Results

The 2018 EAARS officer elections were held at the January 16th EAARS meeting. Many members were present at the China Taste restaurant to help elect the officers for 2018. After a call was placed to those present to see if anyone wanted to run for an elected position, a motion was made to retain the current Officers and that motion was seconded and passed.

Congratulations to the following...

President:	Dave Wells	N7AM
Vice President:	Dan Quaintance	AF7EF
Secretary/Treasurer:	Larry Griggs	N5BG
Net Manager:	Chris Buchanan	N7JND



All other appointed positions remain the same also...

Newsletter Editor:	Angie Buchanan	N7EMB
Club Station Trustee-K7EAR:	Joe Montierth	K7JEM

Congratulations to all the Officers & Staff who take the time and commitment to lead our club.

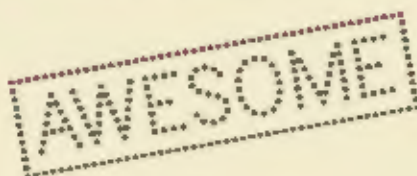




# Welcome New EAARS Members!

**Brons  
David  
Allen**

**AG7LM  
K7JCK  
KI7TFN**



## THANK YOU!

To those who paid their **EAARS** membership dues by  
December 15, and were eligible for the  
**EAARS \$100 Gift Certificate to HRO!**

And now what you all have been waiting for....

**The Winner of the Early Membership Certificate is....**

**MIKE WIXOM W7XOM from Gilbert, AZ!**

**Congratulations W7XOM!**

Let us know if you need help spending that certificate! HiHi

**We still have quite a few members who have not paid their 2018 dues! Please try to do so as soon as possible! Don't forget, if you have your yearly dues paid for the year, you are eligible to attend the EAARS September picnic! That is always a great time!**

## Radio Club of Chile Supporting Communications During Pope's Visit

ARRL- 01/16/2018

The Radio Club of Chile (CE3AA) and its Emergency Service are supporting communications for the National Emergency Office of the Ministry of the Interior and Public Security during Pope Francis' visit to Chile. Commemorative call sign XR18PAX will be on the air on SSB; XR3PAX on digital modes.



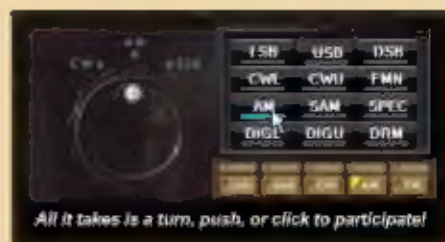
A special QSL card will be available for HF contacts. QSL to Radio Club de Chile, CE3AA, Papa Francisco en Chile 2018, PO Box 13630, Santiago, Chile.

Pope Francis was welcomed on January 16 by Chile's President Michelle Bachelet after arriving in Santiago late Monday on his first visit to Chile since becoming pope, and his sixth to Latin America — a trip that will also take him to Peru. — Thanks to Joaquin Solana, XE1R, IARU Region 2 News Editor

## **Second Annual AM Rally Special Event Set for February 2-4 Weekend**

**ARRL -01/02/2018**

The AM Rally special event once again is inviting operators to explore the original phone mode over the February 2-4 weekend. Co-sponsor Clark Burgard, N1BCG, said the event "is intended to be both fun and educational." It encourages all radio amateurs to get on AM, possibly for the first time. "Because of resurgent interest in AM, the event is also an opportunity for amateurs new to



AM to learn about proper settings and get the most performance out of their station, whether it's modern, vintage, tube, transistor, software-defined, military, boat anchor, broadcast, home brewed, or commercially made," Burgard said. The AM Rally website includes tips and suggestions for various transmitter types as well as links to additional information. Certificates will be awarded for most states contacted and most contacts overall made by stations in five power-output classes. Some "special recognitions" will be made on an ad hoc basis, Burgard said.

The AM Rally gets under way at 0000 UTC on Saturday, February 3, and concludes at 0700 UTC on Monday, February 5. Band include 160, 80, 40, 20, 15, 10, and 6 meters. The 2017 AM Rally, which was held in April, was a huge success, with nearly 1,500 contacts reported on the 72 logs submitted. -- Thanks to Clark Burgard, N1BCG

## **ARRL Hudson Division Director Promotes Amateur Radio Parity Act Before Senate Committee**

**ARRL - 01/26/2018**

ARRL Hudson Division Director Mike Lisenco, N2YBB, testified Thursday (January 25) before a session of the Senate Committee on Commerce, Science and Transportation regarding Amateur Radio's readiness to respond in an emergency. The session, "This is not a Drill: An Examination of Emergency Alert Systems," was called in the wake of an incoming missile warning erroneously released in Hawaii earlier this month. Lisenco said Amateur Radio played a role not only in responding to the warning but in disseminating word that the missile alert had been issued by mistake.

Lisenco said the Hawaii Radio Amateur Civil Emergency Service (RACES) activated on UHF and via a VHF inter-island repeater network, and amateur stations monitored the alert and cancellation activity, which came less than 1 day after RACES had completed an Amateur Radio communication exercise at the State Emergency Operations Center (EOC). In his written testimony, Lisenco recounted that the situation after the missile warning in Hawaii was chaotic.

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## **ARRL Hudson Division Director Promotes Amateur Radio Parity Act Before Senate Committee**

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**ARRL - 1/26/18**

"The phone lines into the State EOC were soon overwhelmed and congested, and the website was overwhelmed with public inquiries," he said. Lisenco said that in such situations, Amateur Radio volunteers typically are present at state or county EOCs and at the State Warning Point, the Hawaii Emergency Management Agency. He pointed out that the cancellation of the false warning circulated on various information outlets 13 minutes after the missile warning went out.

"That was picked up and relayed through the Amateur Radio networks," he told the Committee in written testimony. "The cellphone alert system could not be used for the cancellation notice until prior FEMA approval was obtained. Once that was obtained, the cancellation alert went out to the cellphone network after 38 minutes from the initial alert."

"Many people had received the warning first on their cell phones through the Wireless Emergency Alert (WEA) system, but a cancellation on that same system was substantially delayed," Lisenco said. "The result was that Amateur Radio networks disseminated validated cancellation information long before the cellular networks were able to do so."

Lisenco took the opportunity to address how private land-use regulations can preclude Amateur Radio disaster response capabilities.

"There is no substitute for the ready availability of a residential Amateur Radio station in daily operation from a licensee's residence," he said. "The licensee cannot be expected to have the ability to communicate into or from a disaster site unless he or she has a station with an effective outdoor antenna capable of operation on multiple frequency bands at once, which is ready to be pressed into service from the licensee's residence at a moment's notice."

Lisenco reminded the panel members that the Amateur Radio Parity Act of 2017 is now pending before the Committee. "[Senate Bill 1534] is a balanced, completely bipartisan bill that would fully protect both the entitlement of Amateur Radio volunteers to...provide emergency, disaster relief and public service communications, while...protecting the aesthetic concerns and the jurisdiction of homeowners' associations," Lisenco said in his written remarks, noting that the bill is unopposed. "We are in desperate need of this legislation, and without it, the volunteer emergency communications services provided by Amateur Radio will be precluded. We urge the Committee in the strongest terms to please approve and send this legislation forward without delay," Lisenco said.

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## ARRL Hudson Division Director Promotes Amateur Radio Parity Act Before Senate Committee

Continued from Page 7

ARRL - 1/16/18

Mississippi Senator Roger Wicker, a co-sponsor with Connecticut Senator Richard Blumenthal, of the Amateur Radio Parity Act, attended the hearing. Responding to a question from Wicker at the hearing, Lisenco pointed out that an early US Coast Guard warning cancellation notice was relayed to Amateur Radio networks and disseminated quickly, while the State Warning Point waited to obtain FEMA authorization to rescind the warning via cellular phones. As a result, Amateur Radio networks were able to disseminate validated cancellation information long before the cellular networks were able to do so. Wicker issued a statement noting Lisenco's testimony and posted a video clip of his exchange with Lisenco.

South Dakota Senator John Thune, who chairs the Senate Committee on Commerce, Science, and Transportation, convened the hearing, called to "examine policy concerns surrounding the use and effectiveness of Emergency Alert Systems including Wireless Emergency Alerts, as well as recent system failures, including but not limited to the mistaken missile alert in Hawaii."



# RST

Radio Society of Tucson

## TUCSON SPRING HAMFEST



**Saturday March 31, 2018**  
**7 AM—11 AM**



**FREE ADMISSION & PARKING!**

Talk at 8:00pm:  
Buckeye  
TALIN 2018  
Tara  
100.7 Hz



### TARGET

**9916 E. Old Spanish Trail**  
Tucson, AZ  
\*\*\* NORTH PARKING LOT \*\*\*

Get your  
access or  
upgrade!  
Free VP Training  
at 200!

**Seller setup starts at 6:00 AM**  
**All Vendor/Seller Spaces- \$10/space**

**RAFFLE!**  
Tickets 52 ea., 3 for \$5, 7 for \$10!

Prizes:

- (1st) ICOM Dual-Band Mobile Transceiver
- (2nd) Dual-Band Hand-held Transceiver

Map and Information: <http://www.k7rtd.org>





# RST

Radio Society of Tucson  
[www.rstclub.org](http://www.rstclub.org)

## FREE CLASS this Spring

**For Technician HAM RADIO License**

Join the FUN and TALK to the WORLD

**9 Weekly Classes begin Sun, Mar 11, 2018**

**6:30 PM at Tucson Hardesty Police Station,**

**1100 S. Alvernon Way, Tucson**

**call Ken 520-572-3766**

**or email Ken at [kg7khy@gmail.com](mailto:kg7khy@gmail.com)**

**Books are \$21 each, call to reserve**



## How to get a spiffy new callsign- Mike W7IJ

So, You finally got your Extra ticket and want either a 1x2 callsign or a 2x1.

1.) Find when the callsign becomes available- <http://radioqth.net/vanity/available>.

Say I'm looking for a 1x2 "K" Prefix in the "7" call district (you can change to "N" or "W" and other call districts as well):



The screenshot shows a web interface with a search bar at the top and a table of available callsigns below. The table has three columns: Callsign, Availability Date, and Prefix. The callsign K7AA is highlighted in red, indicating it is available on January 14, 2018.

Callsign	Availability Date	Prefix
K7AA	01-Jan-2018	1x2 K7AA 1st 2nd
K7AB	01-Jan-2018	1x2 K7AB 1st 2nd
K7AC	04-Feb-2018	1x2 K7AC 1st 2nd
K7AD	04-Feb-2018	1x2 K7AD 1st 2nd
K7AE	04-Feb-2018	1x2 K7AE 1st 2nd
K7AF	04-Feb-2018	1x2 K7AF 1st 2nd

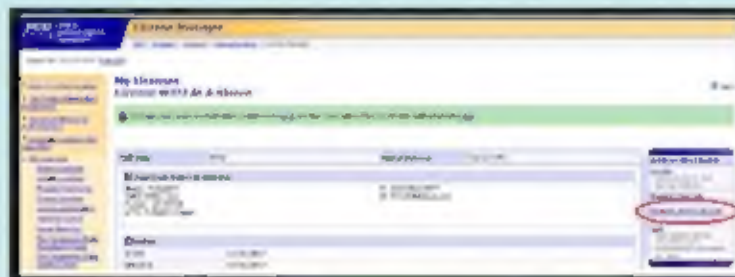
As you can see in the example above, "K7AA" (that's going to be a big lottery) becomes available January 14, 2018.

MARK that callsign on your calendar- January 14, 2018! If you forget everything else I tell you REMEMBER THIS: You MUST apply for a callsign on EXACTLY the DATE that it becomes available. Not a day before or after, but on that specific date.

Fast forward to Jan. 14, 2018.

2.) Log into the FCC ULS database. <http://wireless.fcc.gov/uls/index.htm?job=home>

Once logged in with your FRN and password, you should see something similar:



On the far right, you should see "Request Vanity Call Sign". Click that.

3.) Next screen, click "Continue". You aren't exempt from fees and such. You ain't special. ☺

4.) Check the "Primary Station Preference List"

5.) Enter "K7AA" in box number 1.

6.) Check your mailing info, and if everything is correct, click "Continue"

7.) Answer truthfully the Felony question, click "Continue"

8.) You should see a Summary screen. If everything looks OK, click "Continue to Certify"

9.) Enter your name and "Amateur Operator" in title block and click "Submit Application"

Wait 19 - 21 days for the decision. If you got it, you will receive notification via your email on record.

Mike Boger, W7IJ

# Cooking up Some Magic



## Red Velvet Cookies



"These cookies are just as good as the cake, only on a smaller scale. They melt in your mouth!"

### Directions

1. Preheat oven to 375 degrees F (190 degrees C) with the rack in the middle position. Grease baking sheets or line with parchment paper. Sift together the flour, baking soda, and salt.

2. Break the chocolate squares into chunks, place in a microwave-safe bowl and microwave on High until the chocolate melts, about 90 seconds. Stir the chocolate until smooth and set aside to cool.

3. In a large bowl, beat 1/2 cup butter, brown sugar, and white sugar until light and fluffy; pour in the egg and beat until smooth. Mix in the red food coloring and chocolate, scraping the bowl down regularly, until evenly blended, about 30 seconds. Add half of the sifted dry ingredients, stirring until well incorporated. Beat in the sour cream and mix in the remaining dry ingredients. Fold in the chocolate chips. Drop spoonfuls of the dough 2 inches apart onto prepared baking sheets.

4. Bake one sheet at a time in the preheated oven until they spring back when pressed, about 9 minutes. Cool in the pans for 5 minutes before removing to cool completely on a wire rack.

5. For the cream cheese frosting, whip 1/4 cup butter, cream cheese, and vanilla until smooth. Blend in the powdered sugar in half cup portions until the frosting reaches the desired consistency.



### Ingredients

2 cups all-purpose flour  
1/2 teaspoon baking soda  
1/2 teaspoon salt  
2 (1 ounce) squares unsweetened baking  
- -chocolate, broken into pieces  
1/2 cup unsalted butter, softened  
2/3 cup brown sugar, firmly packed  
1/3 cup white sugar  
1 large egg

1 tablespoon red food coloring  
3/4 cup sour cream  
1 cup semisweet chocolate chips (optional)  
Cream Cheese Frosting  
1/4 cup unsalted butter, softened  
4 ounces cream cheese, at room temperature  
1/2 teaspoon vanilla extract  
2 cups confectioners' sugar, sifted

